

## **Declaration**

I, Xi Yongzhi, hereby declare as follows:

I am the inventor and applicant of the US Patent Application Serial No. 10/534,538.

I submitted the cDNA sequence encoding Chicken Type II Collagen to Genbank on February 8, 2006. The date is latter than the date of filing of the present application.

I did not submit the same sequence to Genbank on July 19, 2001. The earliest date as shown in Genbank is not correct.

I declare that the above statements are true to the best of my knowledge.

A handwritten signature in black ink, appearing to read "Xi Yongzhi". It consists of fluid, cursive strokes with a horizontal line underneath it.

Xi Yongzhi, M.D

May 20, 2009

## Curriculum Vitae

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**Name:** Xi Yongzhi

**Sex:** Male

**Birth Date:** January 23, 1961

**Birth Place:**

Qingdao, Shandong, P.R. China

**Current Address:** Department of Immunology and National Center for Biomedicine Analysis, Beijing 307 Hospital Affiliated to Academy of Medical Sciences, No.8, Dongda Ave, Fengtai District, Beijing, 100071, P.R.China

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### **CURRENT POST**

Professor & Dr of Medicine & Immunology, The chief of Laboratory of Immunology, The head of Department of Immunology and National Center for Biomedicine Analysis, Beijing 307 Hospital Affiliated to Academy of Medical Sciences, Beijing

### **EDUCATION**

**1985-1988:** For M.D Degree at Department of Hematology/Oncology, Academy of Military Medical Sciences, Beijing, P.R.China

**1978-1985:** For Bachelor & Master of Medical Degrees at Department of Medicine, Qingdao Medical College, P.R.China

## **RESEARCH EXPERIMENCES**

**1995-Now:** Professor of Medicine & Immunology, The chief of Laboratory of Immunology, The head of Department of Immunology and National Center for Biomedicine Analysis, Beijing 307 Hospital Affiliated to Academy of Medical Sciences, Beijing

1. New Approaches to Autoimmune Diseases Treatment: Development of Novel Targeted Therapeutic DNA Vaccines and Oral Tolerance Proteins
2. New Strategies for the Treatment of GVHD or HVGD: Development of Toxin-Based DNA Vaccines and Recombinant Proteins Targeted B7:CD28/CTLA-4
3. Targeted Treatment of Leukemias Mediated by Cytokine-Receptor System: Development of Recombinant Immunoexotoxins
4. HLA Structure, Function and Clinical Typing for Both Hematopoietic Stem Cell Transplantation and Organ Transplantation

**1993-1995:** As an Associated Professor at Division of Hematology & Immunology, Institute of Basic Medical Sciences, Beijing

1. Biological Features and Potential Clinical Application of Human CD34+ Hematopoietic Cells
2. Cloning, Expression and Biological Functions of New Hematopoietic Growth Factors

**1991-1992:** As an Invited Scientist Worked at Department of

Hematology/Oncology, Institute of Applied Radiobiology  
Immunology/TNO, The Netherlands

1.Hematopoietic Growth Factor-Pseudomonas Exotoxin Fusion Protein  
Targeted to Hematopoietic Growth Factor Receptors For the Treatment of  
Acute leukemias

**1988-1990:** As an Assistant Professor at Division of Hematology &  
Immunology, Institute of Basic Medical Sciences, Beijing

1. Biology and Treatment of LAK Cells for Leukemias

**1985-1988:** As an Consultant in Internal Medicine and Specialized in  
Hematology/Immunology at Department of Hematology/Immunology,  
Beijing 307 Hospital Affiliated to Academy of Medical Sciences,

## **ACADEMIC MEMBERSHIP**

- 1.a Member of Council for Chinese Society of Immunology
- 2.a Member of Editorial Board for Chinese J Experimental Hematology
- 3.a Member of Editorial Board for Chinese J Transfusion
- 4.a Member of Editorial Board for Chinese J Med Biotech
- 5.a Member of Editorial Board for Internal J Blood Trans & Hematol
- 6.a Member of Editorial Board for Bulletin AMMS China
- 7.a Reviewer for Arthritis Research Campaign Research Grants

Committee(UK)

8.a Reviewer for National Key Basic Research Program of China

9.a Reviewer for National Natural Scientific Fund of China.

10. a Reviewer for National High-tech R&D Program

11. a Reviewer for Stem Cells

12.a Reviewer for Vaccines

13. a Reviewer for Internal J Hametol

14. a Reviewer for National Med J China

15. a Reviewer for Chinese J Hematol

**PUBLICATIONS(168 papers have been published in both Chinese and SCI)**

**(Only here list most important recent research publications up to a maximum of 10)**

1. Caixia Xi, Liuxin Tan, Yeping Sun, Fei Liang, Nan Liu, Hong Xue, Yuan Luo, Fang Yuan, Yuying Sun, Yongzhi Xi\*. A novel recombinant peptide containing only two T-cell tolerance epitopes of chicken type II collagen that suppresses collagen-induced arthritis.**Molecular Immunology**, Available online 28 November 2009, 46 : 729-737  
**(correspondence author)**

2. Song Xinjiang, Liang Fei, Liu Nan, Luo Yuan, Xue Hong, Yuan Fang, Tan Liuxin, Sun Yuying, Xi Caixi, Xi Yongzhi\*. Construction and

characterization of a novel DNA vaccine that is potent antigen-specific tolerizing therapy for experimental arthritis by increasing CD4+CD25+Treg cells and inducing Th1 to Th2 shift in both cells and cytokines.**Vaccine**, 2009, 27: 690-700 (**correspondence author**)

3. Xi YZ\*, Yuan ZH, Zhang HL, et al. Molecular construction and characterization of a novel exotoxin fusion protein that selectively blocks the B7:CD28 costimulatory signal system. **J Immunother**, 2006, 29(6):586-595(**correspondence author**);

4. Caixia X, Nan Liu, Fei Liang, Siqi Guo, Yuying Sun Fengtang Yang, Yongzhi Xi\*. Molecular cloning ,characterization and localization of chicken type II procollagen gene. **Gene** ,2006 ,366 : 67-76(**correspondence author**)

5. Yuying Sun, Dandan Zhao, Li Jin, Nan Liu, Fei Liang, Fanhua Kong, Yongzhi Xi\*. Human Leukocyte Antigens A and B Loci Genotyping by Reference Strand Mediated Conformation Analysis in Hemato- poietic Stem Cell Transplantation Donor Selection. **Internal J Haematol**, 2007,86;77-83(**correspondence author**)

6. Y Sun, SG Liu, Y Luo,F Liang, Y Xi\*. Identification and frequency of a novel HLA-A allele, A\*110104dagger.**Tissue Antigens**, 2006,68(5): 453-454. (**correspondence author**)

7. Y Sun, F Kong, S REn, F Yuan, F Liang, N Liu, L Jin, Y Xi\*. Severe acute graft-vs-host disease in a patient with acute monocytic leukemia

having a recombination event between HLA-A/B loci from a multiple recombinant family. *Tissue Antigens*,2007, 69(6) (correspondence author)

8. Song Xinqiang, Liang Fei, Liu Nan, Luo Yuan, Xue Hong, Yuan Fang, Tan Liuxin, Sun Yuying, , Xi Yongzhi\*. Therapeutic efficacy of autoimmune arthritis with low-dose methotrexate by increasing partially CD4<sup>+</sup>CD25<sup>+</sup>Treg cells and inducing Th1 toTh2 shift in both cells and cytokines. *Autoimmunity*,2009,(in press)----- correspondence author

9. Xue Hong, Liang Fei, Liu Nan, Song Xinqiang, Yuan Fang, Luo Yuan, Tan Liuxin, Sun Yuying, Xi Yongzhi\*. Potent Antirheumatic Activity of a New Class of Targeted DNA Vaccine Encoding *Pseudomonas* Exotoxin in Autoimmune Arthritis. *Nature*,2009(to be submitted)  
(correspondence author)

10. Xi Caixia, Liu Nan, Liang Fei, Sun Yuying, Xi Yongzhi\*. Optimizing co-expression of recombinant chicken type II procollagen, a oral tolerogenic protein, with prolyl 4-hydroxylase in methylotrophic yeast pichia pastoris. *Yeast*,2009(to be submitted) (correspondence author)